



HD NVR and HD CMS 2.5.4 Release Note

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Genius Vision Digital Inc.

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1 Software Version

- ◆ HD NVR R2.5.4
- ◆ HD NVR Client R2.5.4
- ◆ Control Workstation R2.5.4

2 New Features

F# 1: New camera support:

- ◆ ADT-VSDB2MPTW, ADT-VSDB3MPTW, ADT-VSDD2MPTW-VF39HIRO,
ADT-VSDD3MPTW-VF39HIRI, ADT-VSDD3MPTW-VF39HIRO, ADT-VSDDMPTW-VF3312SIRI,
ADT-VSDDMPTW-VF3312SIRO, ADT-VSDVD-1CRA, ADT-VSDZ2MPTW-VF39HIRO,
ADT-VSDZ3MPTW-VF39HIRO, ADT-VSDZMPTW-VF3312SIRO
- ◆ Appro LC-7421, LC-7431, LC-7523, LC-7533, LC-7526, LC-7536, LC-7451, LC-7553, LC-7556,
LC-7411, LC-7513, LC-7516, VS-2401HBE
- ◆ Etrovision EV8581U, EV8781U, EV8580U
- ◆ RIVA RC1100M, RC3500, RC5500, RE1000 with VCA (Video Content Analysis)
- ◆ UDP IPE3500, IPE1100M, IPE5500, NVC1000 with VCA (Video Content Analysis)

F# 2: Support Vivotek FE8171V, Pixord PD636E, Mobotix Q22M Panoramic camera integration,
suitable for ceiling, wall and table setting.

F# 3: Support NVR built-in system alarm for monitoring HDDs temperature, RPM
(revolutions per minute) of all fans in case of the overheated

F# 4: Support one NVR connection in NAT network environment

F# 5: Easy operation by click mouse middle button for enable/disable PTZ

F# 6: Support 4x1 pattern suitable for Arecont 4 lens camera display

F# 7: Support Windows 7 OS (64bit) for Control Workstation and HD NVR Client

F# 8: iPhone, iPad enhancement:

- ◆ Support high resolution video for iPad
- ◆ Support more pattern option for iPad
- ◆ Smooth video play
- ◆ PTZ operation is more fluent

3 Bug Fixed

4619: The system may generate enormous log files after user enables storage volume.

5124: Multi NVRs which are in the same IP will always log in fail with handheld device.

5458: User cannot input characters to disable lock mode by using virtual keyboard if NVR is

already locked in some case.

5476: The debug log will output to "NONE" folder rather than "GVD" for all applications except engine.

5484: Display pattern name cannot save in Chinese and Japanese.

5493: When user saves viewers option to "Fit to Viewer" as the pattern, it will change back to "Image Aspect Ratio".

5655: HD NVR Manager cannot auto discovery Arecont DN series camera model.

5732: The Arecont 8 series image cannot take snapshot normally.

5882: In the rare case, volume will damage after rebooting HD NVR (M350AR, M640-JB).

5957: When user selects "1080P" resolution for Messoa NCB875-Pro, the frame rate cannot support "30" or "25".

5978: In the rare case, the OS application and system event log was corrupted when HD NVR Manager powering off suddenly.

6088: Appro VS-2112B PTZ feature cannot work.

6142: Vivotek FD8134V, 8134, SD8362E cannot get the video streaming.

6158: Lilin de-interlace option doesn't shown on.

4 Known Issues

65: Change network interface in configuration Mode has no effect.

Workaround: GVD NVR will always use the default network card in system.

768: In a rare case, HD NVR Manager/HD CMS Manager may stop functioning if the network bandwidth is very limited and not be able to provide a complete video packet for display.

Note: Since this issue does not affect recording function, re-logon to HD NVR Manager/HD CMS Manager for continue operations.

889: In Windows Vista OS, create Storage Volume may fail if the HDD was formatted by GVD Storage Configuration Manager previously.

Workaround: Using Windows disk management to format the HDD to NTFS first.

979: When the bit rate of MPEG4 video is too small (less than 300Kb/sec), video decoding could fail and the video will not be displayed smoothly.

Workaround: Uses constant bit rate control instead of variable bit rate control in the camera setting.

1514: In a rare case, the system may stop functioning if HTML Map using Acrobat Reader 9.0 as the default PDF viewer to open pdf file in map.

Workaround: Users may downgrade to Acrobat Reader 8.0 if this happens.

1699: Video display frame rate will drop 2 to 3 frames per second if debug mode is turned on (hotkey F9).

Workaround: If user would like to check the frame rate of video, we suggest to use “Shift + F9” key to show the frame rate information only instead of “F9” key.

1812: HD NVR Manager/HD CMS Manager may not function normally after changing the screen resolution.

Workaround: Quit HD NVR Manager/HD CMS Manager before changing screen resolution.

2404: In a rare case, HD NVR Manager/HD CMS Manager may stop functioning when installing Arecont Vision cameras.

Note: Since this issue does not affect recording function, please re-logon HD NVR Manager/HD CMS Manager for continue operations.

2559: Using “Alt + F4” to close GVD Player, HD NVR Manager/HD CMS Manager may freeze the user interface.

Workaround: Uses “x” button to close the Player instead of using Alt + F4.

2796: In a rare case, the tabs of the configuration page may disappear in configuration mode.

Workaround: Re-login HD NVR Manager/HD CMS Manager shall correct the issue.

2801: In a rare case, HD NVR Manager/HD CMS Manager may stop functioning when removing a camera.

Note: Since this issue will not affect recording function, re-logon to HD NVR Manager/HD CMS Manager for continue operations.

2899: In a rare case, volume creation may fail if certain anti-virus software is installed.

Workaround: Turns off real-time protection of NOD32 4.0 before creating volumes.

3020: GVD Player may not run on a PC which has no GVD NVR program installed previously.

Workaround: Executes vcredist_x86 in the bin folder to correct the environment manually.

3588: Users may not be able to remove volumes after pulling out the HDDs.

Workaround: Start “Storage Configuration Manager” program to re-scan the volumes.

3692: For XP embedded platform, when user executes “Intel® GMA Driver” option in the System Control panel, it may cause Intel® GMA Driver tool to crash. The applicable GVD products are M620-C032-OV , M630-C048-OV, and M640-C064-OV.

Workaround: Uses “Display” option in the System Control Panel to modify the display settings.

3925: For XP embedded platform, when user executes “nVideo Control Panel” option in the System Control panel, it may cause nVideo tool to crash. The applicable GVD products are M620-C032-DV, M630-C048-DV , and M640-C064-DV.

Workaround: Uses “Display” option in the System Control Panel to modify the display settings.

4002: For XP embedded platforms, when user uses “User Accounts” in the System Control panel, it may show a script error message.

Workaround: Please switch the System Control panel to Category View.

4099: For systems using Intel on-board VGA card, if the video display on the system exceeds the VGA capacity during the auto touring then it may causes HD NVR Manager to work abnormally.

Workaround: Software watch dog will restart HD NVR Manager automatically when necessary.

4710: If camera disconnected while user browsing in iPhone device mode, the status will not change to video loss in the device mode.

Workaround: Re-login NVR on iPhone to get the update status.

4720: The iPhone NVR Viewer cannot support panoramic cameras (ex: Arecont 8xxx series)

4791: When user tries to swap two channels in iPhone NVR Viewer, the rest of the channels in the layout will be shuffled.

5169: The front panel won't take effect when user changes HD NVR Manager IP address or network disable.

5447: In the HD NVR Manager, Lilin IPR712S cannot receive the motion detection.

5449: In the rare case, HD NVR (M640-JB) cannot detect lost the Extended Storage Server (M840-JB) connection.

5469: In the windows system, after unplugging the signal line of HD CMS Manager second monitor, it will miss the extend setting.

5504: HD NVR Manager cannot export more than 1 day recording data at a time

Workaround: User can manually keep pressing the export once the export progress is stop.

5615: In the rare chance, the HD NVR Manager and Web client channel icons are not the same.

5646: User needs to rescan volume manually when Extended Storage Server (M840-JB) lost the connection of HD NVR (M640-JB).

5736: In the 64 bit Windows 7 environment, uninstall shield won't backup in the backup folder properly.

5766: Sony SNC-CH210 doesn't support 2048x1536 (4:3) resolution setting.

Workaround: The user can set this resolution from the web.

5868: In the some case, export AVI clip will fail.

5911: In the dual codec mode, Web Client cannot get streaming when switching codec.

5978: In the rare case, the OS application and system event log was corrupted when HD NVR Manager powering off suddenly.

6043: When the user opens Sony camera event detection on web, the HD NVR Manager cannot detect motion alarm.

Workaround: Close the camera web page when the user needs to use the motion detection.

6109: In the MJPEG codec, Lilin IPD 5 series camera doesn't support full D1 resolution.

6135: If the user set Etrlevision main channel's bitrate too high that will cause the sub channel video streaming not stable.

Workaround: Reduce the main channel bitrate.

6148: If the bitrate is under 256K, the actual ADT: ADT-VSDB3MPTW's video bitrate won't be synchronized.

Workaround: Set the bitrate higher than 256K.

6164: RIVA RE1000 video streaming is not stable if the user set the MJPEG quality too high.

Workaround: When the user use the MJPEG codec, set the quality not too high.

6182: In the some chance, RIVA RE1000 video streaming is not stable when the user enable sub channel with RTP/RTSP and RTP over RTSP protocol.

6208: After deleting the camera channel which has displayed in the viewer, the viewer will show "Searching Channel...", but not "No Video".

6211: When playing Arecont 4 lens camera in the high speed mode (8x, 16x, 32x), some streaming will be freeze.

6230: In the rare case, after enabling Pixord camera motion function it will cause video loss.

6212: Although FAN RPM is continually abnormal, but the alarm shows complete status after it has been acknowledged by user.

6288: When the user focus at the right viewer in the panoramics mode, the left viewer will show one more pixel line.

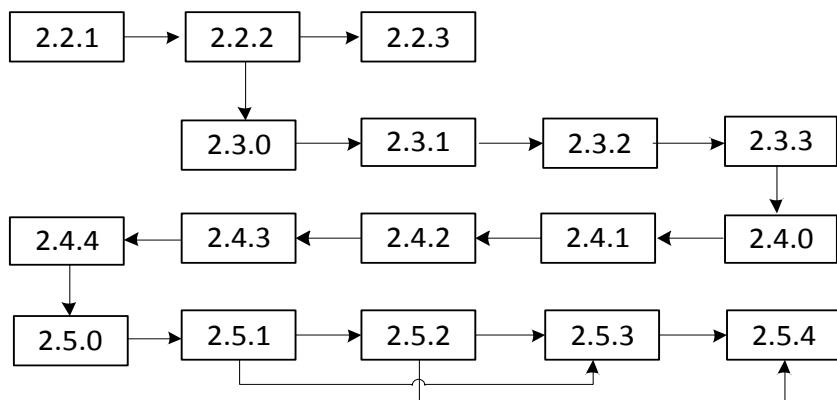
In a rare case, volume creation may fail if the HDD was formatted by GVD Storage Configuration Manager previously.

Workaround: Using Windows Disk Management to delete the partition in this HDD first.

5 Software Compatibility

| | | Workstation Version | | | | | |
|-------------|--------|---------------------|--------|--------|--------|--------|--------|
| | | R2.2.1 | R2.2.2 | R2.2.3 | R2.3.x | R2.4.x | R2.5.x |
| NVR Version | R2.2.1 | V | V | V | | | |
| | R2.2.2 | | V | V | | | |
| | R2.2.3 | | | V | | | |
| | R2.3.x | | | | V | V | |
| | R2.4.x | | | | | V | V |
| | R2.5.x | | | | | | V |

6 Upgrade Compatibility



7 Languages Supported

- ◆ Arabic
- ◆ Czech
- ◆ English
- ◆ Estonian
- ◆ French
- ◆ German
- ◆ Japanese
- ◆ Korean
- ◆ Portuguese
- ◆ Russian
- ◆ Simplified Chinese
- ◆ Traditional Chinese
- ◆ Spanish
- ◆ Swedish
- ◆ Turkish